CLIMATE CO CENTRAL



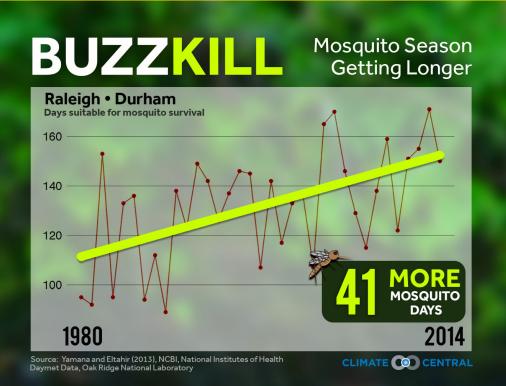
tsanford@climatecentral.org

Climate Matters

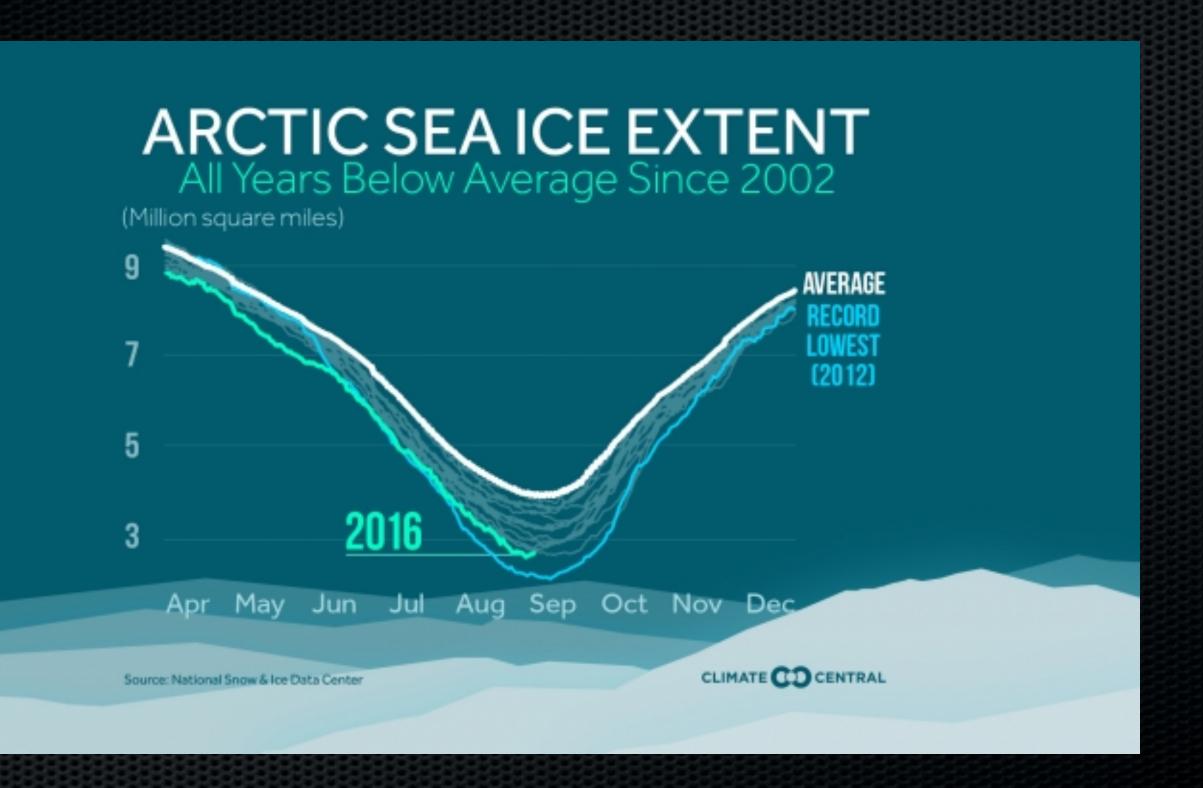
- Started with an NSF partnership: Ultimately including George Mason, Yale, AMS, NWA, NOAA, NASA, and Climate Central
- Developed to convey the science of climate change to the public via broadcast meteorologists
- 286 Broadcast
 Meteorologists
- 191 Stations (35 Spanish Language)
- 109 Media Markets (out of possible 210)



John Morales - WTVJ, Miami



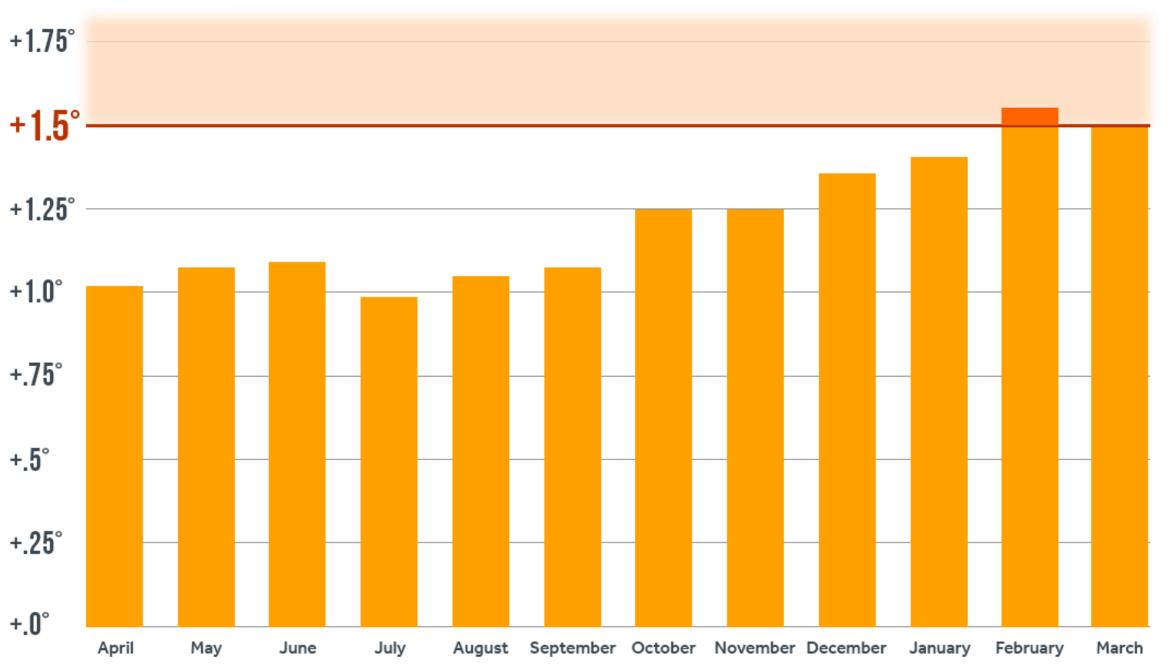






On the Edge of 1.5°C

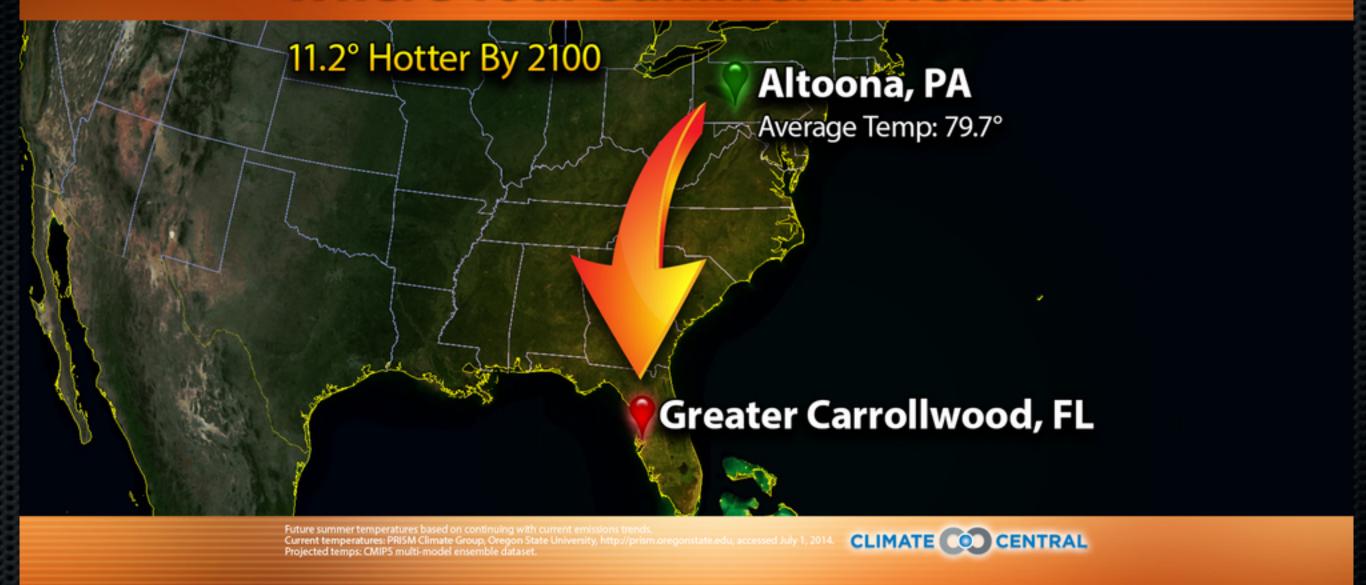
Global monthly temp anomalies referenced to 1881-1910 baseline



Average of NOAA and NASA data adjusted to an 1881-1910 baseline. Data as of April 2016. NASA reports global temperature change in reference to a 1951 to 1980 climate baseline. NOAA reports the anomaly in reference to a 20th century average temperature.



Where Your Summer is Headed



Global shifting cities using Global Downscaled Daily [Climate] Projections



Elevation data from Shuttle Radar Topography Mission







WESTERN WILDFIRES

A Fiery Future

Alyson Kenward, PhD, Todd Sanford, PhD, James Bronzan

June 2016





THE AGE OF ALASKAN WILDFIRES

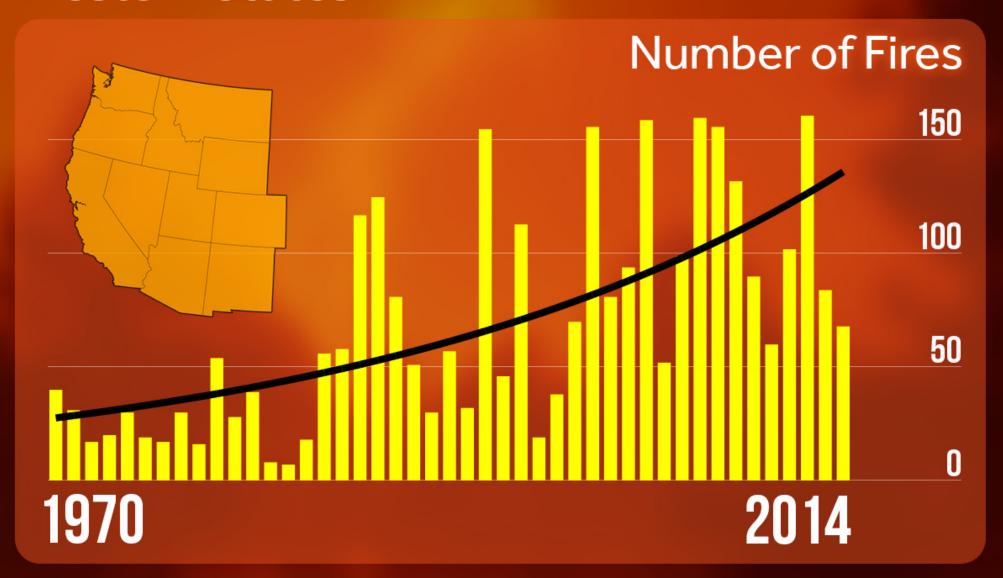
Todd Sanford, PhD, Regina Wang, and Alyson Kenward, PhD

2015



MORE LARGE WILDFIRES

Western States

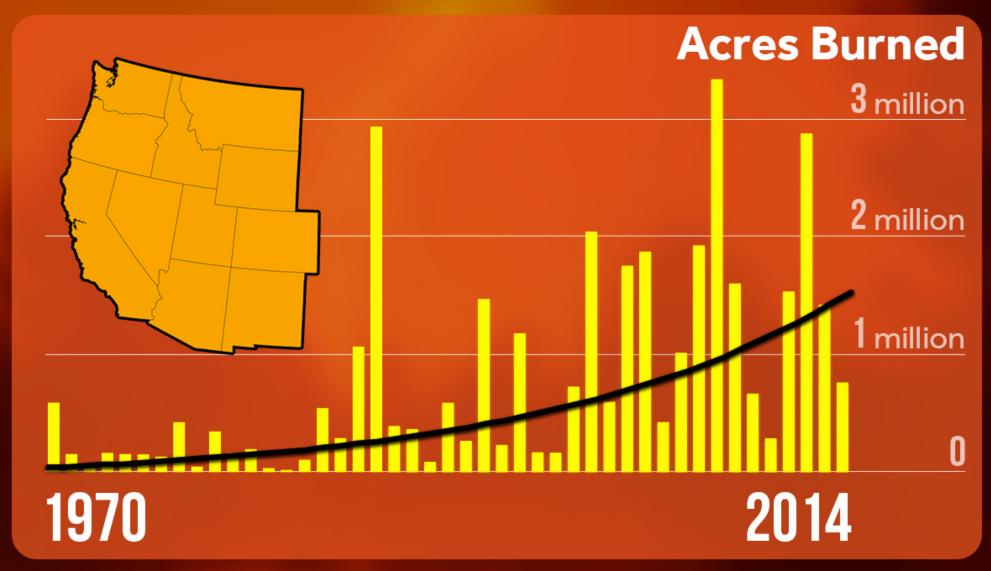


Source: Climate Central



MORE ACRES BURNING

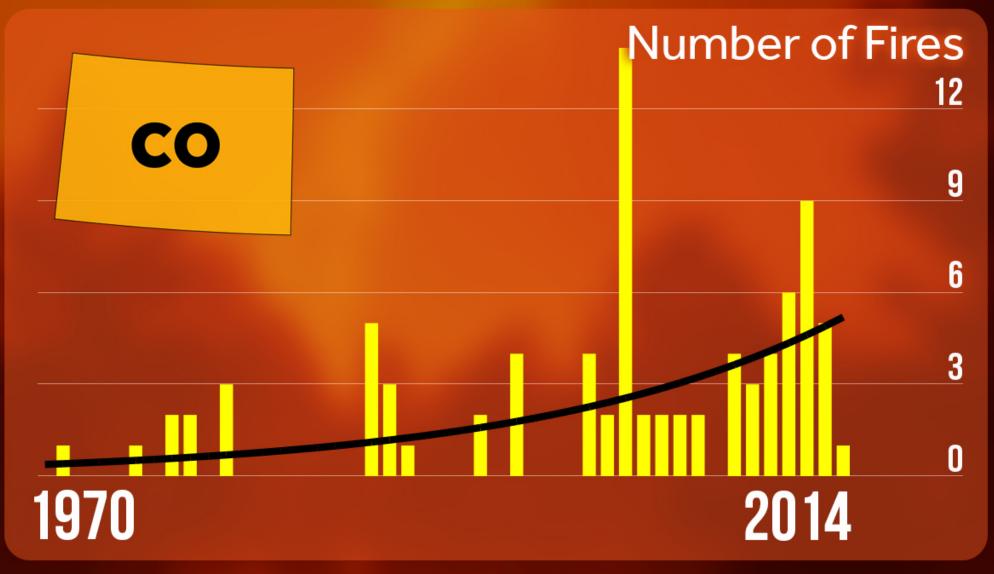
Western States



Source: Climate Central



MORE LARGE WILDFIRES Colorado

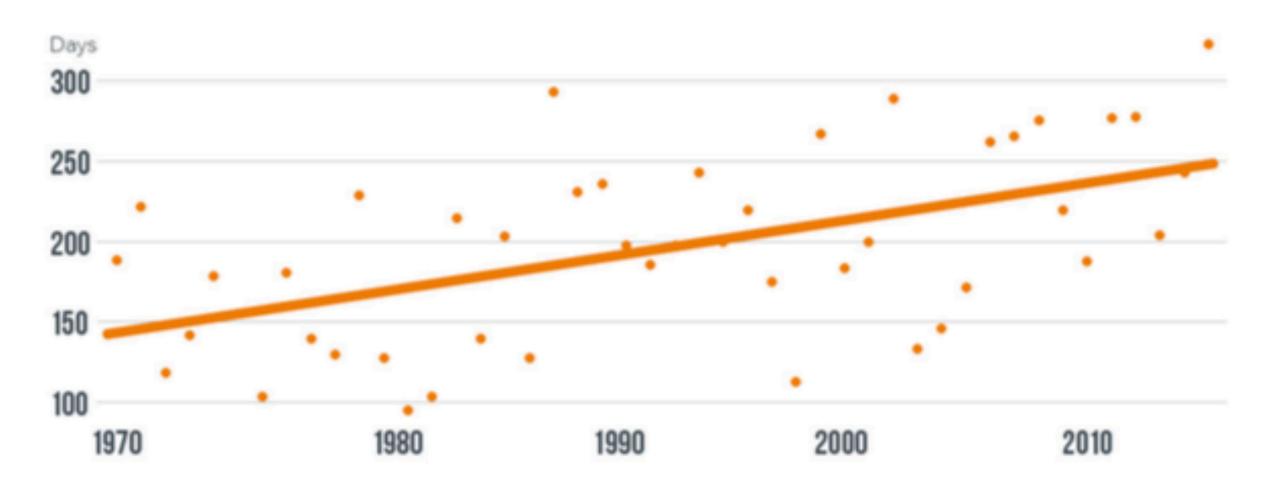


Source: Climate Central



Wildfire Season is Growing Across the West

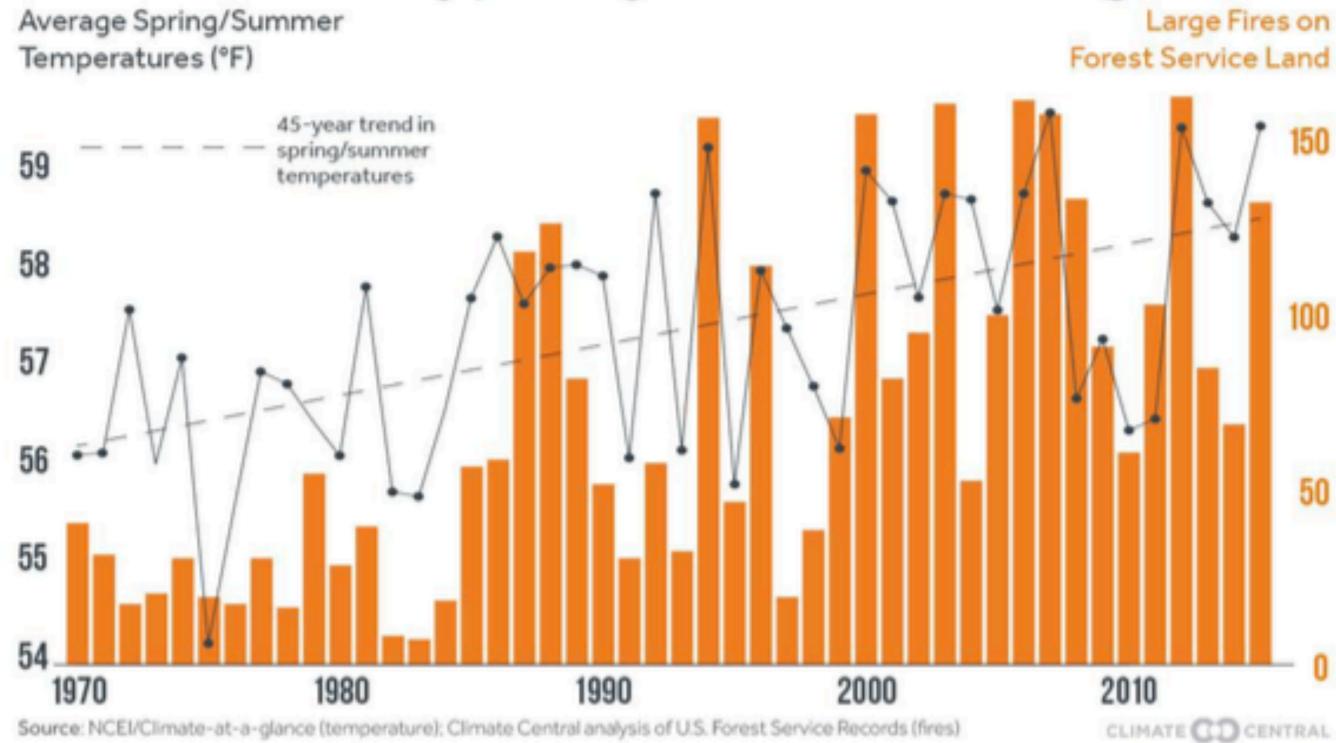
Length of Annual Burn Season



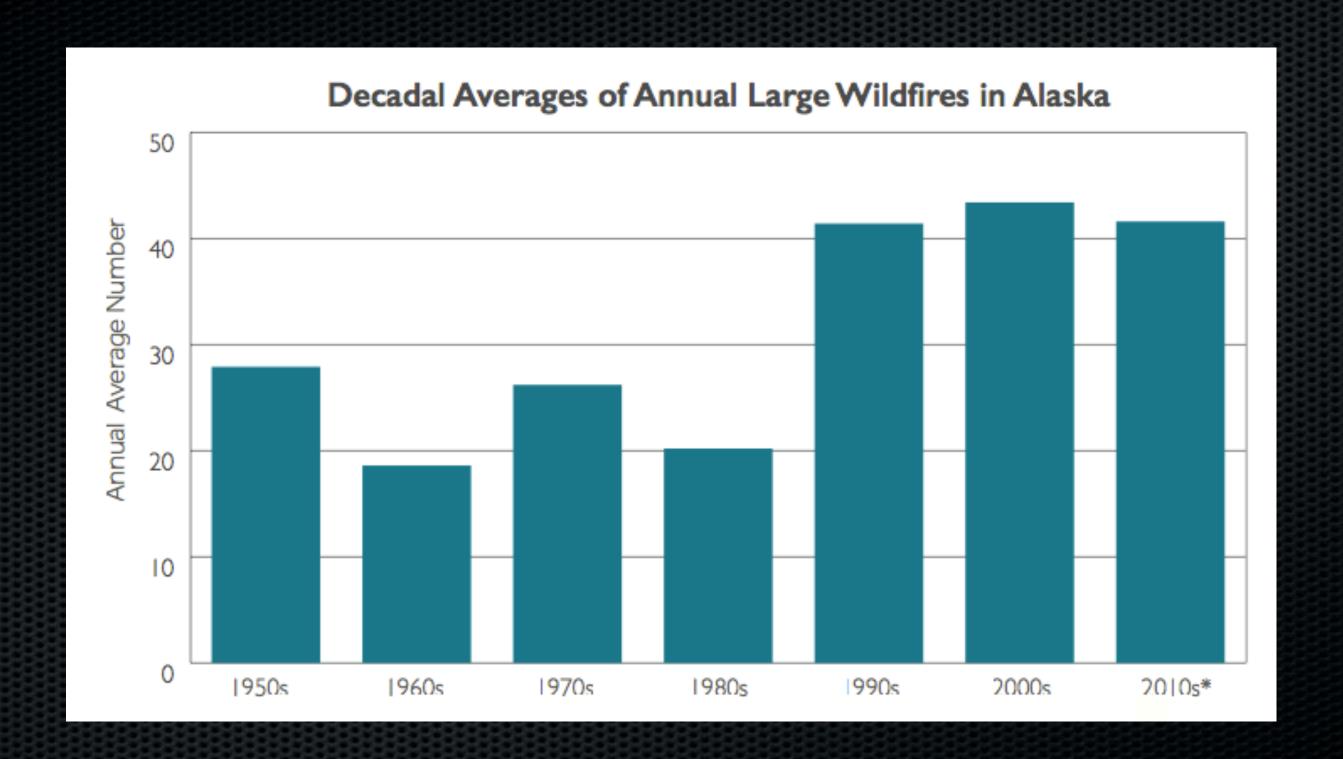
Source: Climate Central analysis of U.S. Forest Service records



Hotter Years Typically Have More Large Fires



Source: NCEI/Climate-at-a-glance (temperature); Climate Central analysis of U.S. Forest Service Records (fires)







Monitoring Trends in Burn Severity (MTBS) and Landsat

